

## Program to make BDC for FI01 Transaction

### 1)Call Transaction

REPORT ZDEMO\_BDC\_FOR\_FI01.

TYPES : BEGIN OF TY\_BNKA,  
BANKS TYPE BANKS,  
BANKL TYPE BANKK,  
BANKA TYPE BANKA,  
PROVZ TYPE REGIO,  
STRAS TYPE STRAS\_GP,  
ORT01 TYPE ORT01\_GP,  
END OF TY\_BNKA.

DATA : IT\_BDCDATA TYPE TABLE OF BDCDATA,  
ITAB TYPE TABLE OF TY\_BNKA,  
WA\_BDCDATA TYPE BDCDATA,  
WA TYPE TY\_BNKA.

CALL FUNCTION 'GUI\_UPLOAD'  
EXPORTING  
FILENAME = 'D:\data\fi01.txt'  
HAS\_FIELD\_SEPARATOR = 'T'  
TABLES  
DATA\_TAB = ITAB  
.

LOOP AT ITAB INTO WA.  
PERFORM BDC\_SCREEN\_PROGRAM USING 'SAPMF02B' '0100'.  
PERFORM BDC\_FNAME\_FVAL USING 'BNKA-BANKS' WA-BANKS.  
PERFORM BDC\_FNAME\_FVAL USING 'BNKA-BANKL' WA-BANKL.  
PERFORM BDC\_FNAME\_FVAL USING 'BDC\_OKCODE' '/00'.

PERFORM BDC\_SCREEN\_PROGRAM USING 'SAPMF02B' '0110'.  
PERFORM BDC\_FNAME\_FVAL USING 'BNKA-BANKA' WA-BANKA.  
PERFORM BDC\_FNAME\_FVAL USING 'BNKA-PROVZ' WA-PROVZ.  
PERFORM BDC\_FNAME\_FVAL USING 'BNKA-STRAS' WA-STRAS.  
PERFORM BDC\_FNAME\_FVAL USING 'BNKA-ORT01' WA-ORT01.

```
PERFORM BDC_FNAME_FVAL USING 'BDC_OKCODE' '=UPDA'.
```

```
CALL TRANSACTION 'FI01' USING IT_BDCDATA MODE 'A'.  
REFRESH IT_BDCDATA.
```

```
ENDLOOP.
```

```
INCLUDE ZDEMO_BDC_FOR_FI01_INCLUDE.
```

```
*&-----*  
*& Include      ZDEMO_BDC_FOR_FI01_INCLUDE  
*&-----*
```

```
FORM BDC_SCREEN_PROGRAM USING FP_PROG TYPE C FP_DYNPRO TYPE C.
```

```
  CLEAR WA_BDCDATA.
```

```
  WA_BDCDATA-PROGRAM = FP_PROG.
```

```
  WA_BDCDATA-DYNPRO = FP_DYNPRO.
```

```
  WA_BDCDATA-DYNBEGIN = 'X'.
```

```
  APPEND WA_BDCDATA TO IT_BDCDATA.
```

```
ENDFORM.
```

```
FORM BDC_FNAME_FVAL USING FP_FNAM TYPE C FP_FVAL TYPE C.
```

```
  CLEAR WA_BDCDATA.
```

```
  WA_BDCDATA-FNAM = FP_FNAM.
```

```
  WA_BDCDATA-FVAL = FP_FVAL.
```

```
  APPEND WA_BDCDATA TO IT_BDCDATA.
```

```
ENDFORM.
```



```
it_bdcmsgcoll type table of bdcmsgcoll,  
wa_bdcmsgcoll type bdcmsgcoll.
```

```
CALL FUNCTION 'GUI_UPLOAD'  
EXPORTING  
  FILENAME           = 'D:\data\fi01.txt'  
  HAS_FIELD_SEPARATOR = 'T'  
TABLES  
  DATA_TAB          = ITAB  
.
```

```
LOOP AT ITAB INTO WA.  
  PERFORM BDC_SCREEN_PROGRAM USING 'SAPMF02B' '0100'.  
  PERFORM BDC_FNAME_FVAL USING 'BNKA-BANKS' WA-BANKS.  
  PERFORM BDC_FNAME_FVAL USING 'BNKA-BANKL' WA-BANKL.  
  PERFORM BDC_FNAME_FVAL USING 'BDC_OKCODE' '/00'.
```

```
  PERFORM BDC_SCREEN_PROGRAM USING 'SAPMF02B' '0110'.  
  PERFORM BDC_FNAME_FVAL USING 'BNKA-BANKA' WA-BANKA.  
  PERFORM BDC_FNAME_FVAL USING 'BNKA-PROVZ' WA-PROVZ.  
  PERFORM BDC_FNAME_FVAL USING 'BNKA-STRAS' WA-STRAS.  
  PERFORM BDC_FNAME_FVAL USING 'BNKA-ORT01' WA-ORT01.  
  PERFORM BDC_FNAME_FVAL USING 'BDC_OKCODE' '=UPDA'.
```

```
CALL TRANSACTION 'FI01' USING IT_BDCDATA MODE 'N' MESSAGES INT  
O it_bdcmsgcoll.  
REFRESH IT_BDCDATA.
```

```
ENDLOOP.
```

```
data v_msgtxt1 type string.  
LOOP AT it_bdcmsgcoll into wa_bdcmsgcoll.
```

```
**** message id wa_bdcmsgcoll-msgid " It will use BF00 msg class to d  
isplay messages
```

```
****      type wa_bdcmsgcoll-msgtyp  
****      number wa_bdcmsgcoll-msgnr  
****      with wa_bdcmsgcoll-msgv1  
****      wa_bdcmsgcoll-msgv2  
****      wa_bdcmsgcoll-msgv3  
****      wa_bdcmsgcoll-msgv4
```

```
**** into v_msgtxt.  
****
```

```
***** or *****
```

```
CALL FUNCTION 'FORMAT_MESSAGE'  
EXPORTING
```

```
  ID          = wa_bdcmsgcoll-msgID  
  LANG        = wa_bdcmsgcoll-MSGSPRA  
  NO          = wa_bdcmsgcoll-msgNR  
  V1          = wa_bdcmsgcoll-msgv1  
  V2          = wa_bdcmsgcoll-msgv2  
  V3          = wa_bdcmsgcoll-msgv3  
  V4          = wa_bdcmsgcoll-msgv4
```

```
IMPORTING
```

```
  MSG          = v_msgtxt1 .
```

```
  write :/ v_msgtxt1 .  
ENDLOOP.
```

```
INCLUDE ZDEMO_BDC_FOR_FI01_INCLUDE.
```

## Dictionary: Display Structure

Hierarchy Display Append Structure...

Structure  Active

Short Description

Attributes Components Entry help/check Currency/quantity fields

Predefined Type

1 / 13

Component	R...	Component type	Data Type	Len...	Deci...	Short Description
<u>TCODE</u>	<input type="checkbox"/>	<u>BDC TCODE</u>	CHAR	20		0 BDC Transaction code
<u>DYNAME</u>	<input type="checkbox"/>	<u>BDC MODULE</u>	CHAR	40		0 Batch input module name
<u>DYNUMB</u>	<input type="checkbox"/>	<u>BDC DYNNR</u>	CHAR	4		0 Batch input screen number
<u>MSGTYP</u>	<input type="checkbox"/>	<u>BDC MART</u>	CHAR	1		0 Batch input message type
<u>MSGSPRA</u>	<input type="checkbox"/>	<u>BDC SPRAS</u>	LANG	1		0 Language ID of a message
<u>MSGID</u>	<input type="checkbox"/>	<u>BDC MID</u>	CHAR	20		0 Batch input message ID
<u>MSGNR</u>	<input type="checkbox"/>	<u>BDC MNR</u>	CHAR	3		0 Batch input message number
<u>MSGV1</u>	<input type="checkbox"/>	<u>BDC VTEXT1</u>	CHAR	100		0 Variable part of a message
<u>MSGV2</u>	<input type="checkbox"/>	<u>BDC VTEXT1</u>	CHAR	100		0 Variable part of a message
<u>MSGV3</u>	<input type="checkbox"/>	<u>BDC VTEXT1</u>	CHAR	100		0 Variable part of a message
<u>MSGV4</u>	<input type="checkbox"/>	<u>BDC VTEXT1</u>	CHAR	100		0 Variable part of a message
<u>ENV</u>	<input type="checkbox"/>	<u>BDC AKT</u>	CHAR	4		0 Batch input monitoring activity
<u>FLDNAME</u>	<input type="checkbox"/>	<u>FNAM</u> 4	CHAR	132		0 Field name

## 2) Session Method

REPORT ZDEMO\_BDC\_FOR\_FI01\_02.

```
TYPES : BEGIN OF TY_BNKA,  
        BANKS TYPE BANKS,  
        BANKL TYPE BANKK,  
        BANKA TYPE BANKA,  
        PROVZ TYPE REGIO,  
        STRAS TYPE STRAS_GP,  
        ORT01 TYPE ORT01_GP,  
      END OF TY_BNKA.
```

```
DATA : IT_BDCDATA TYPE TABLE OF BDCDATA,  
      ITAB TYPE TABLE OF TY_BNKA,  
      WA_BDCDATA TYPE BDCDATA,  
      WA TYPE TY_BNKA,  
      it_bdcmsgcoll type table of bdcmsgcoll,  
      wa_bdcmsgcoll type bdcmsgcoll.
```

```
CALL FUNCTION 'GUI_UPLOAD'  
  EXPORTING  
    FILENAME           = 'D:\data\fi01.txt'  
    HAS_FIELD_SEPARATOR = 'T'  
  TABLES  
    DATA_TAB          = ITAB  
  .
```

```
CALL FUNCTION 'BDC_OPEN_GROUP'  
  EXPORTING  
    GROUP          = 'SESSION_8:15'  
    USER           = SY-UNAME .
```

```
LOOP AT ITAB INTO WA.  
  PERFORM BDC_SCREEN_PROGRAM USING 'SAPMF02B' '0100'.
```

```
PERFORM BDC_FNAME_FVAL USING 'BNKA-BANKS' WA-BANKS.  
PERFORM BDC_FNAME_FVAL USING 'BNKA-BANKL' WA-BANKL.  
PERFORM BDC_FNAME_FVAL USING 'BDC_OKCODE' '/00'.
```

```
PERFORM BDC_SCREEN_PROGRAM USING 'SAPMF02B' '0110'.  
PERFORM BDC_FNAME_FVAL USING 'BNKA-BANKA' WA-BANKA.  
PERFORM BDC_FNAME_FVAL USING 'BNKA-PROVZ' WA-PROVZ.  
PERFORM BDC_FNAME_FVAL USING 'BNKA-STRAS' WA-STRAS.  
PERFORM BDC_FNAME_FVAL USING 'BNKA-ORT01' WA-ORT01.  
PERFORM BDC_FNAME_FVAL USING 'BDC_OKCODE' '=UPDA'.
```

```
CALL FUNCTION 'BDC_INSERT'  
EXPORTING  
  TCODE          = 'FI01'  
TABLES  
  DYNPROTAB      = IT_BDCDATA .
```

```
REFRESH IT_BDCDATA.  
ENDLOOP.
```

```
CALL FUNCTION 'BDC_CLOSE_GROUP'.
```

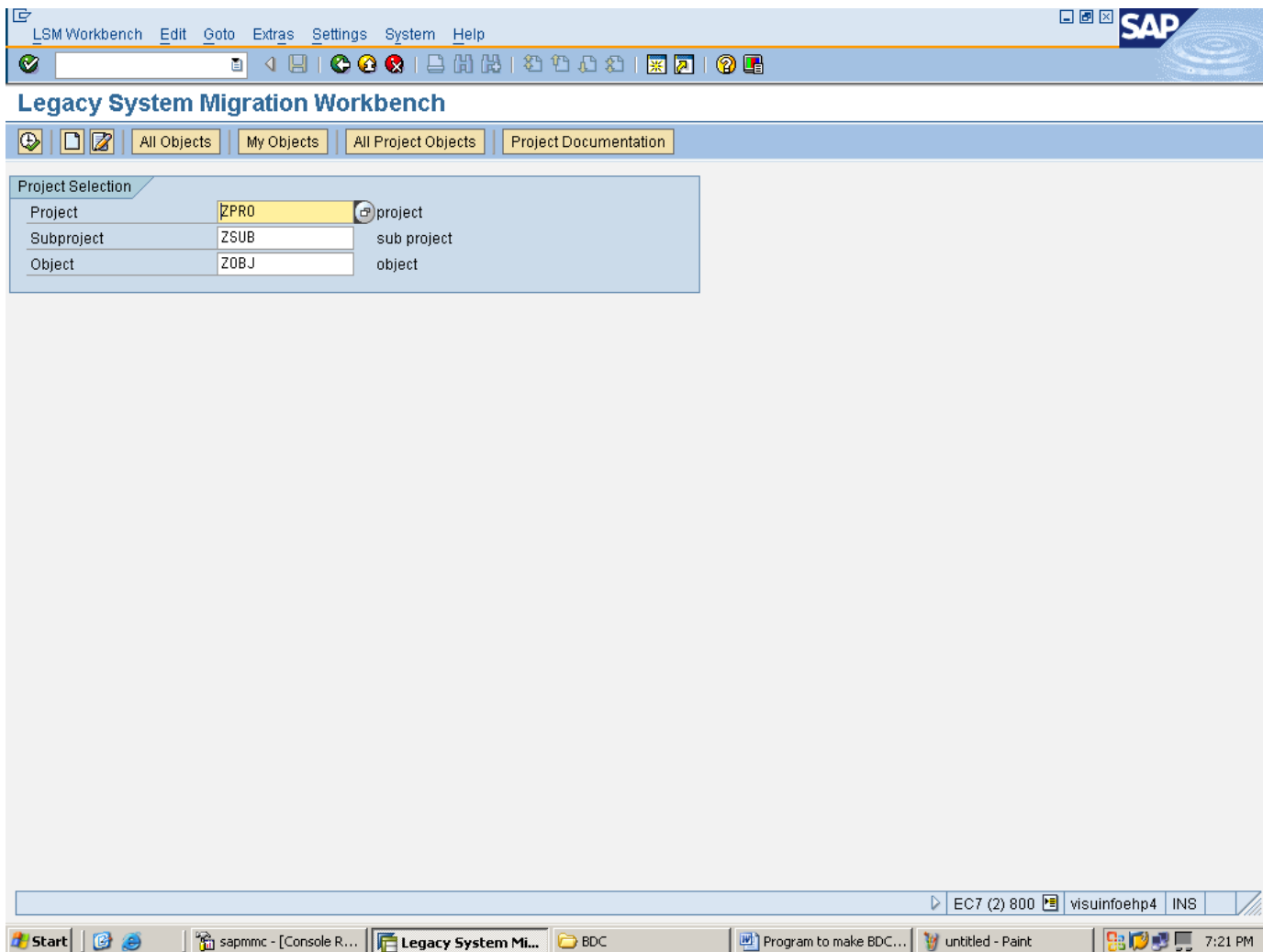
```
IF SY-SUBRC = 0.  
  WRITE :/ 'SESSION CREATED SUCCESSFULLY'.  
ENDIF.
```

```
INCLUDE ZDEMO_BDC_FOR_FI01_INCLUDE.
```



### *3) Legacy system Migration workbench*

- Execute Tcode - lsmw.
- Write project , subproject and object name on the screen and execute it.



- Choose first step Maintain object Attributes and execute it.

LSM Workbench Edit Goto Extras System Help

LSM Workbench: ZPRO, ZSUB, ZOBJ: object

User Menu Numbering On Double Click=Display Object Overview Action Log

Process Step	Last Action (Date, Time, User)
<input checked="" type="radio"/> 1 Maintain Object Attributes	02.11.2013, 17:57:11 h, SAPUSER
<input type="radio"/> 2 Maintain Source Structures	02.11.2013, 17:57:33 h, SAPUSER
<input type="radio"/> 3 Maintain Source Fields	02.11.2013, 17:58:27 h, SAPUSER
<input type="radio"/> 4 Maintain Structure Relations	02.11.2013, 17:58:36 h, SAPUSER
<input type="radio"/> 5 Maintain Field Mapping and Conversion Rules	02.11.2013, 18:02:01 h, SAPUSER
<input type="radio"/> 6 Maintain Fixed Values, Translations, User-Defined Routines	
<input type="radio"/> 7 Specify Files	02.11.2013, 18:03:10 h, SAPUSER
<input type="radio"/> 8 Assign Files	02.11.2013, 18:03:19 h, SAPUSER
<input type="radio"/> 9 Read Data	02.11.2013, 18:09:23 h, SAPUSER
<input type="radio"/> 10 Display Read Data	02.11.2013, 18:09:29 h, SAPUSER
<input type="radio"/> 11 Convert Data	02.11.2013, 18:09:35 h, SAPUSER
<input type="radio"/> 12 Display Converted Data	02.11.2013, 18:09:39 h, SAPUSER
<input type="radio"/> 13 Create Batch Input Session	02.11.2013, 18:09:49 h, SAPUSER
<input type="radio"/> 14 Run Batch Input Session	02.11.2013, 18:10:04 h, SAPUSER

EC7 (2) 800 visuinfoehp4 INS

Start sapmmc - [Console Root]... LSM Workbench: ZPR... Program to make BDC fo... untitled - Paint 7:22 PM

- Choose batch input recording and enter its name, create if not exists.

Object Attributes Edit Goto System Help

Object Attributes

### LSM Workbench: Change Object Attributes

Display <-> Change Documentation Display Interfaces

**Attributes**

Object: ZOBJ object

Owner: SAPUSER Narasimha

Data Transfer: ☒ Once-Only ☐ Periodic


File Names: ☐ System-Dependent

**Object Type and Import Method**

☐ Standard Batch/Direct Input



Object:

Method:

Program Name:  

Program Type:

☒ Batch Input Recording

Recording: ZREC recording of fi01  

☐ Business Object Method (BAPI)

Business Object:

Method:

Message Type:

Basic Type:

☐ IDoc (Intermediate Document)

Message Type:

Basic Type:

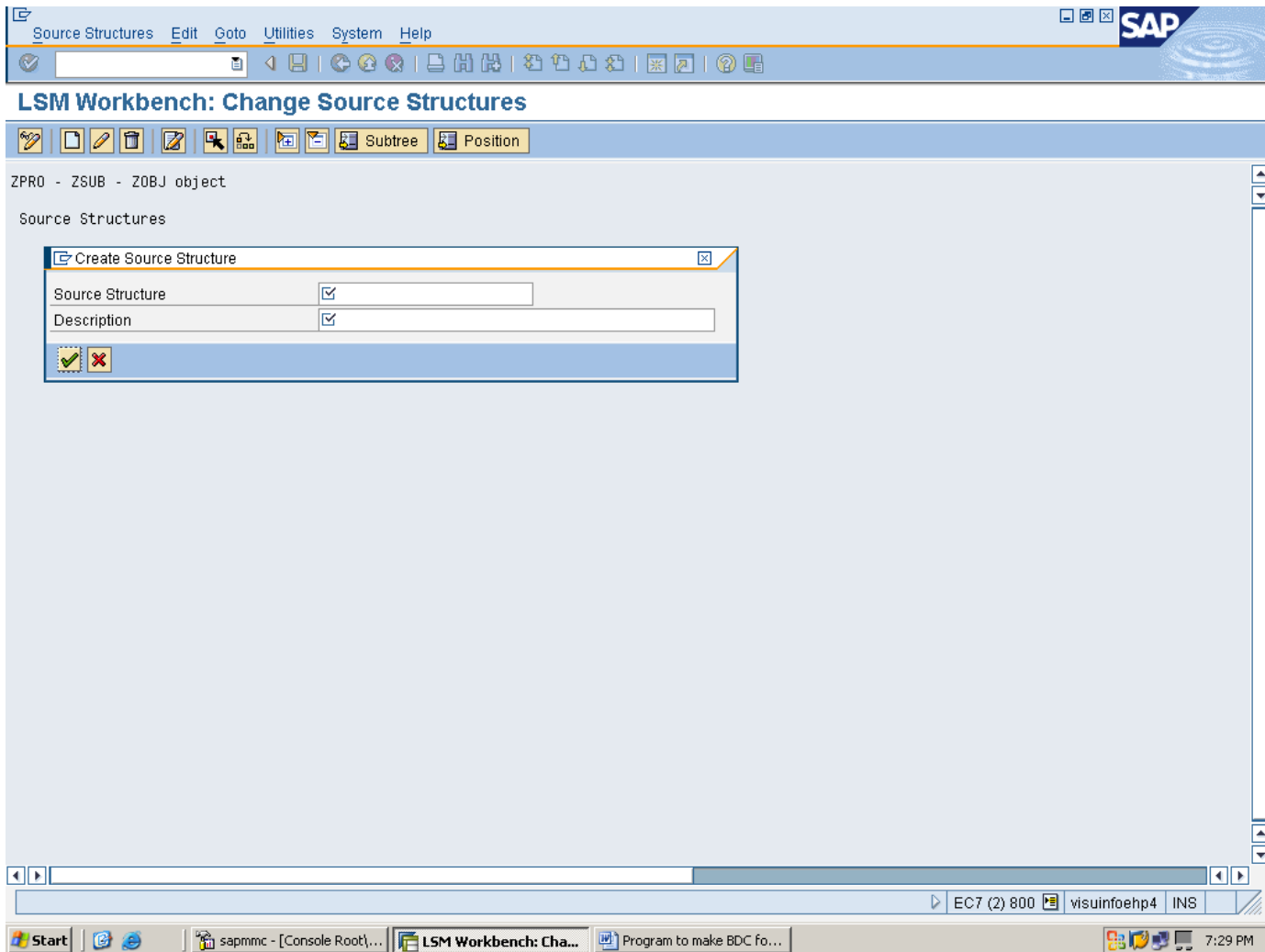
Enhancement:

☐ Allow Structure Assignment for EDIDC40

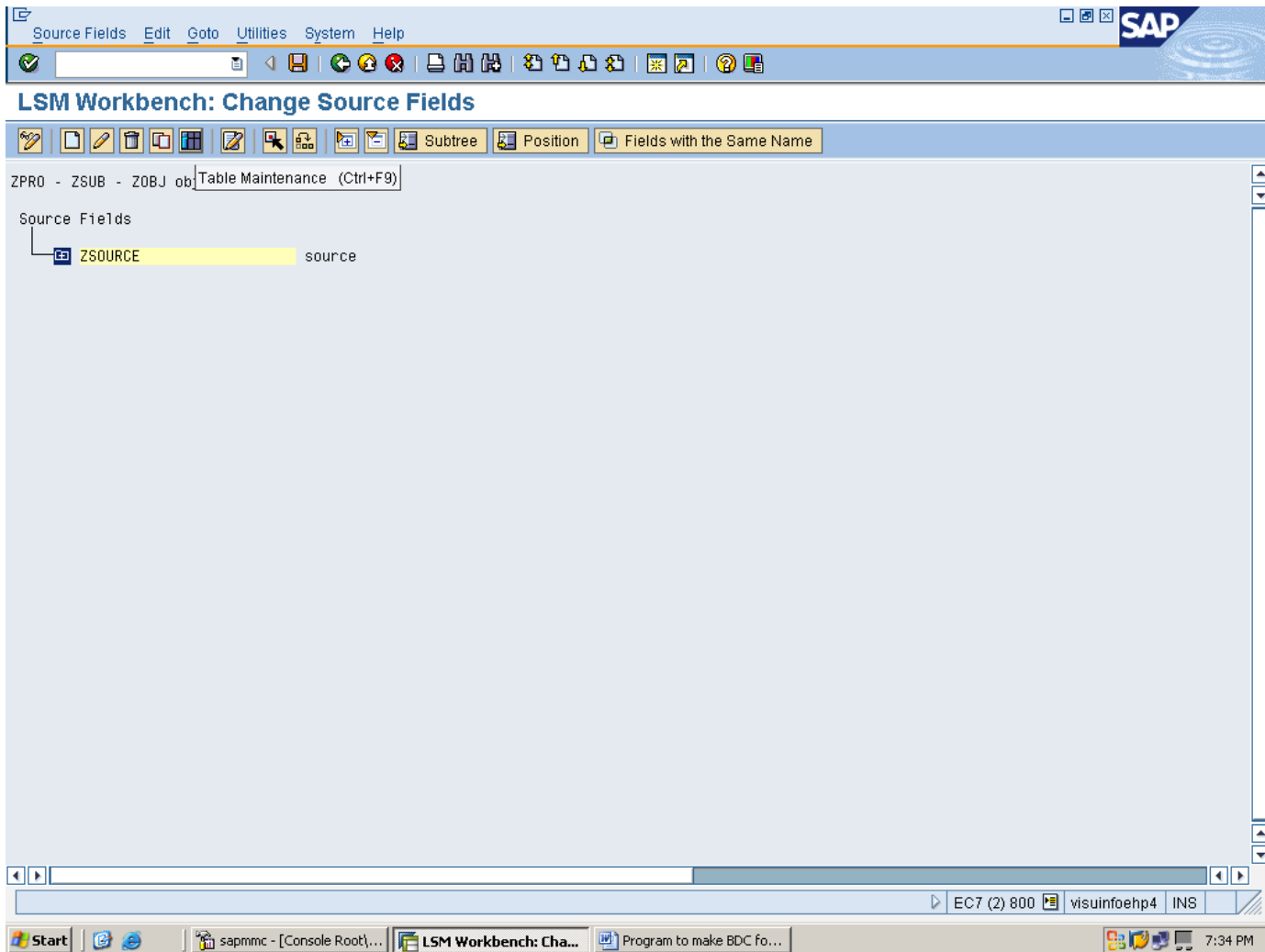
EC7 (2) 800 visuinfoehp4 INS

Start sapmmc - [Console Root]... LSM Workbench: Cha... Program to make BDC fo... 7:24 PM

- Save it and back.
- Choose second option Maintain Source Structure and execute it.
- Create a source structure now, then save and back.

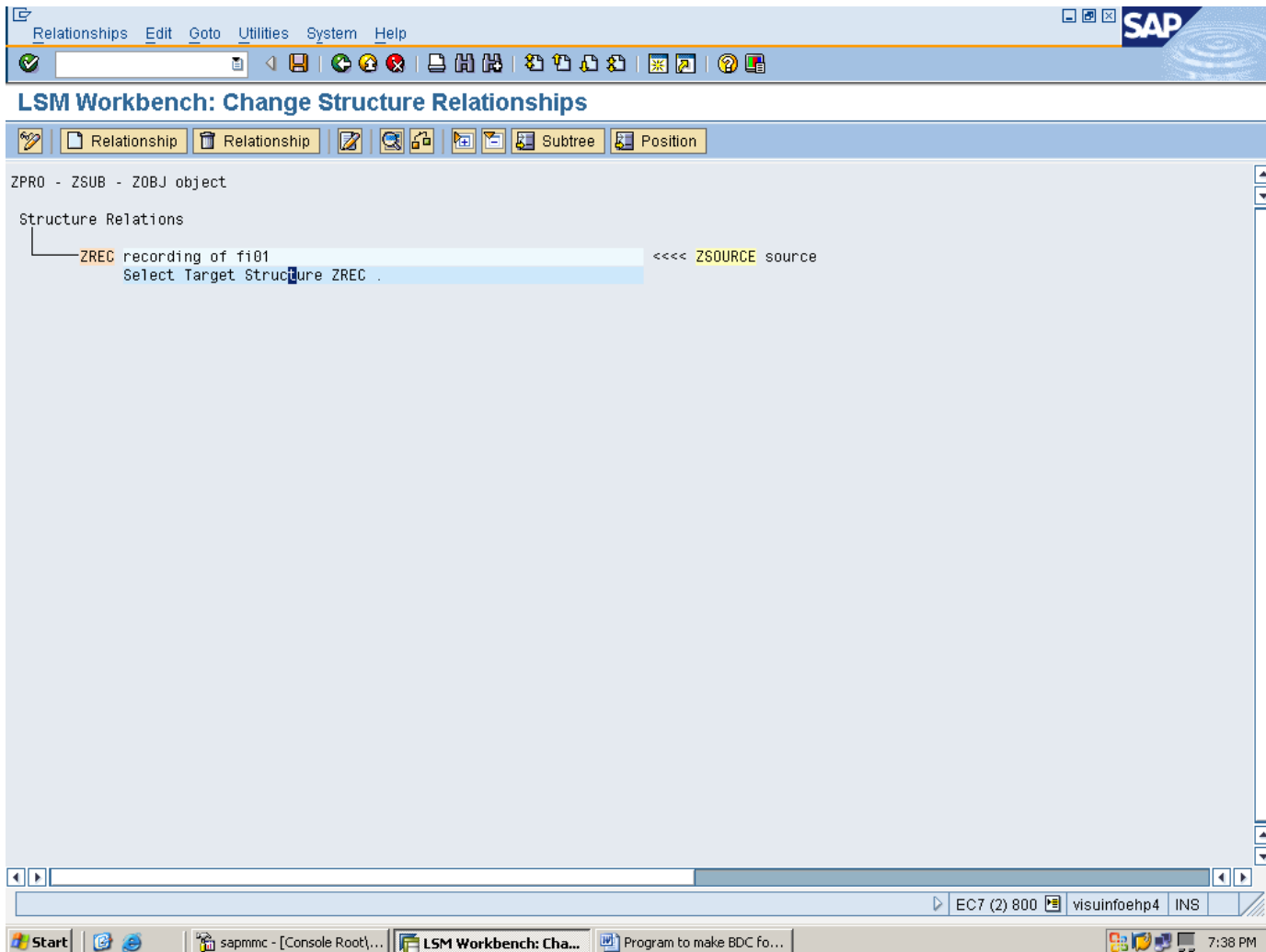


- Choose third option Maintain Source Field and execute it.
- Choose source and click on Tab Maintenance (ctrl f9).



- Write field name type length and description. Then save and back





- Notice that the relationship is default as there is only one source target structure , save and back...
- Choose 5<sup>th</sup> option Maintain Field Mapping and Conversion Rules , execute it.
- Choose field from target click on Source Fields and double click on respective field list and repeat same for all.



Field MappingEditGotoExtrasUtilitiesSystemHelp

SAP

LSM Workbench: Change Field Mapping and Conversion Rules

Source FieldSource FieldRulePositionInitialConstantMoveFixed ValueTranslation

ZPRO - ZSUB - ZOBJ object

Field Mapping and Rule

ZREC

recording of fi01

Fields

BANKS

BANKL

BANKA

ZREC-BANKS: Assign Source Field

No.	Source Structure	Source Field	Description
0001	ZSOURCE	BANKS	Bank Count
0002	ZSOURCE	BANKL	Bank numbe
0003	ZSOURCE	BANKA	Bank name

EC7 (2) 800visuinfoehp4INS

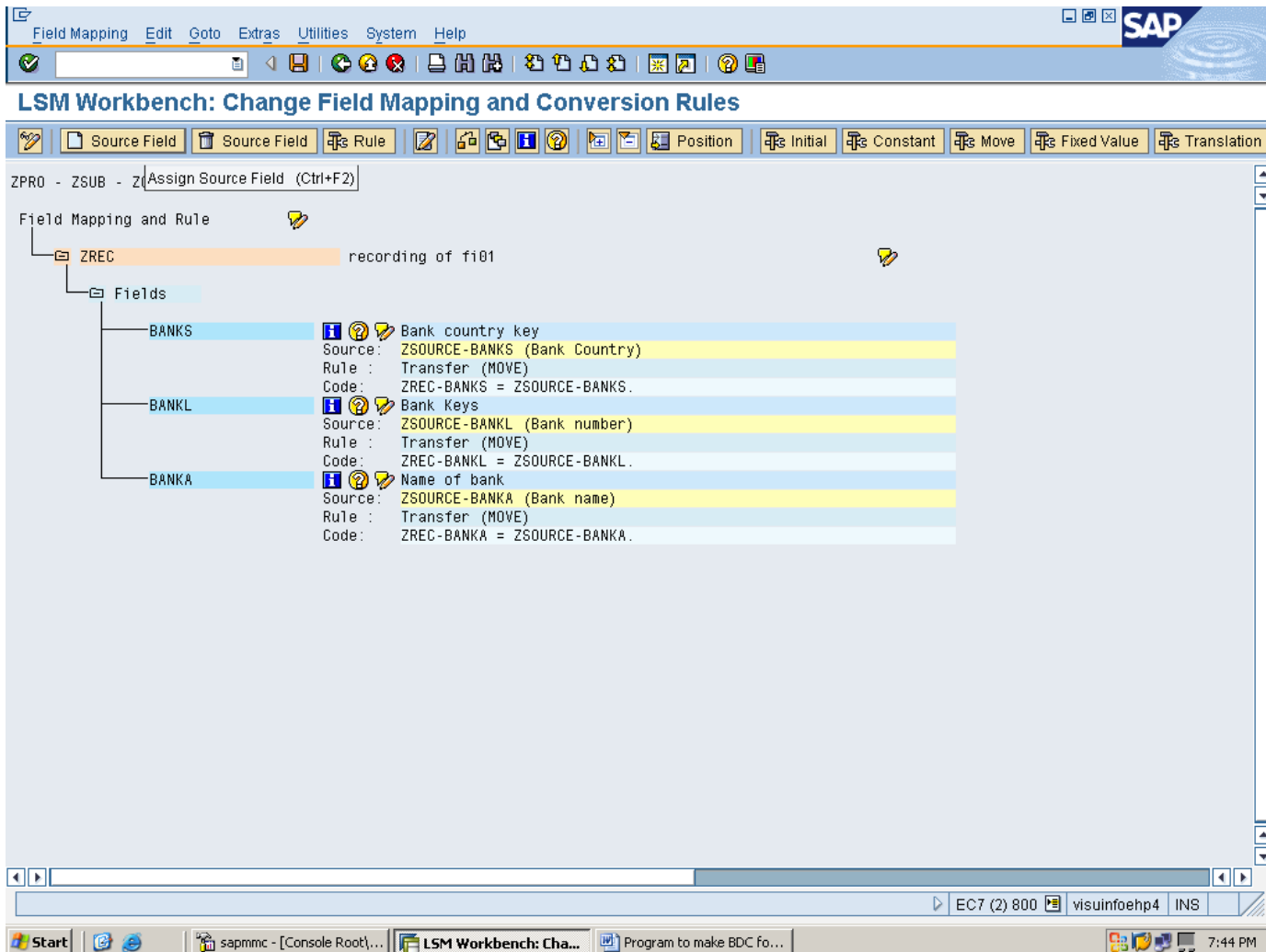
Start

sapmmc - [Console Root]...

LSM Workbench: Cha...

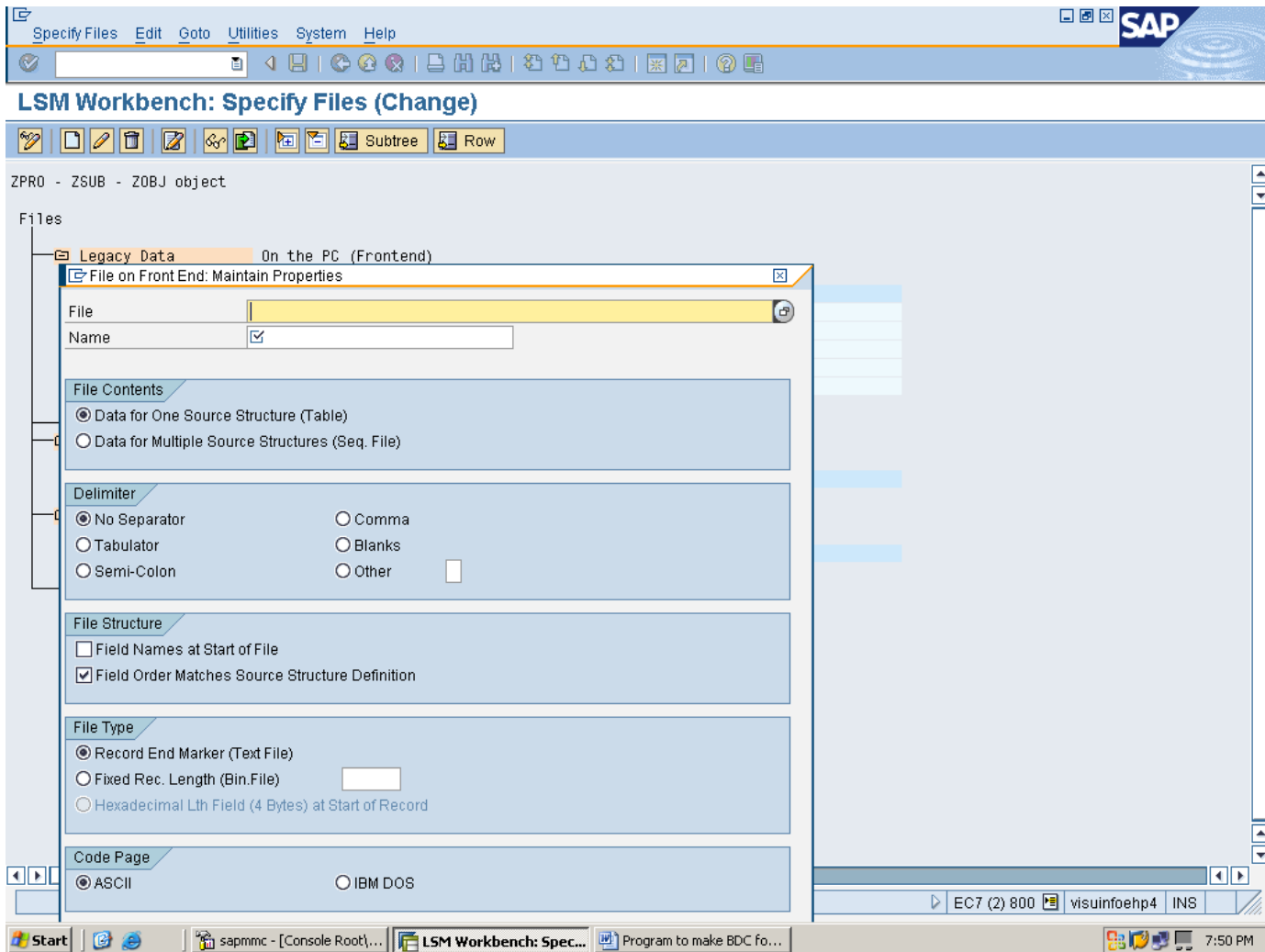
Program to make BDC fo...

7:43 PM

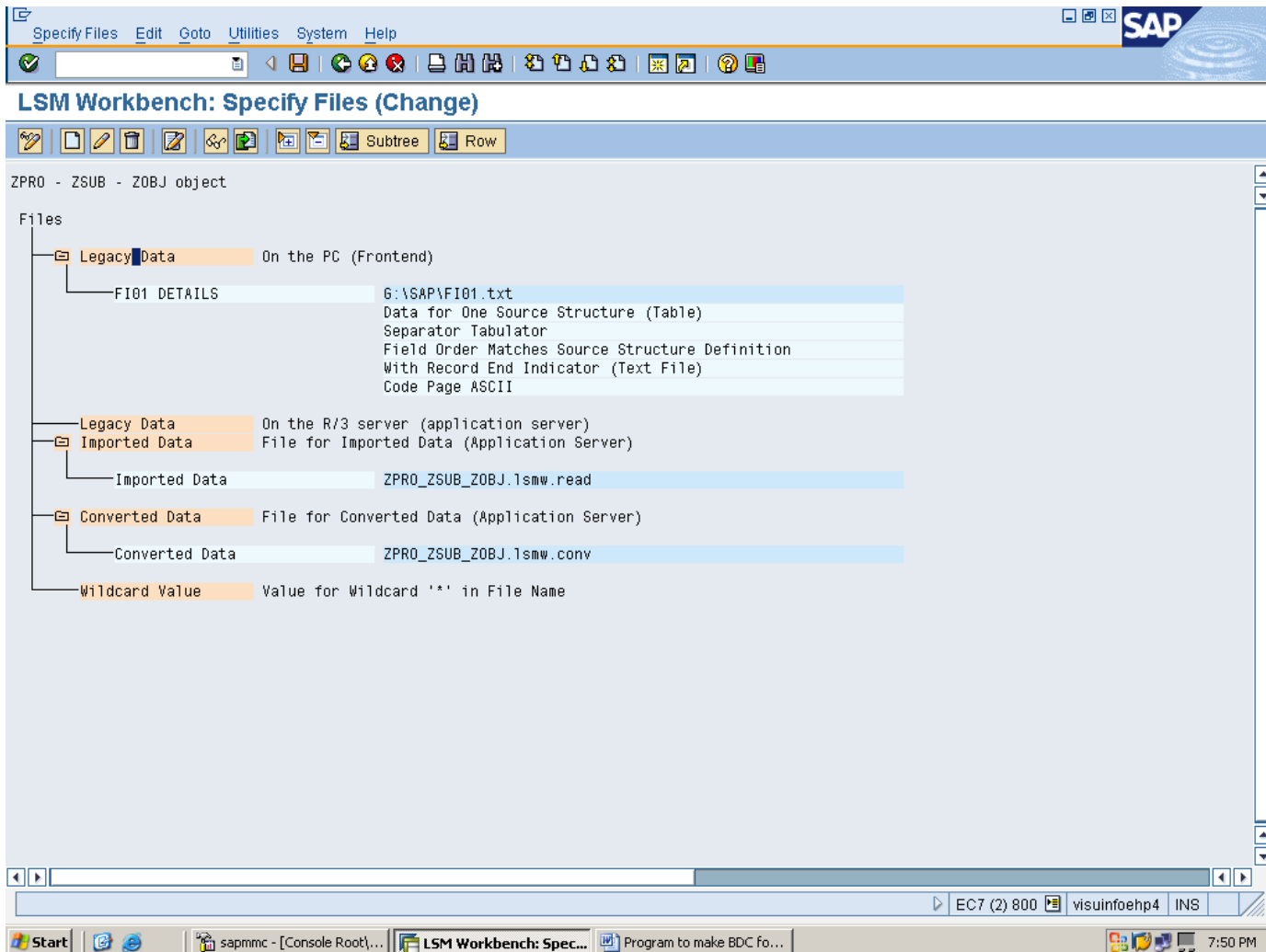


SAVE and BACK...

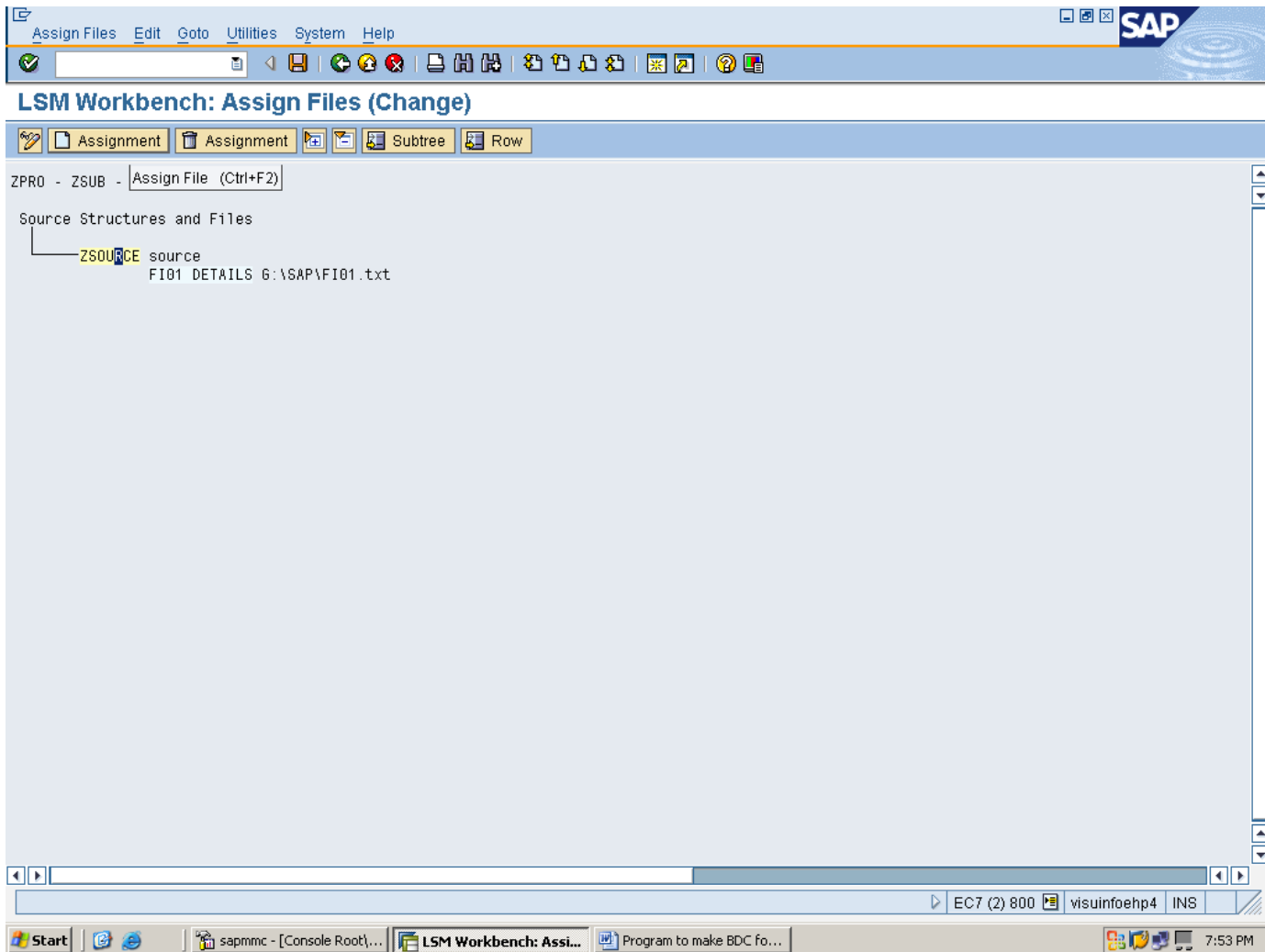
- 6<sup>th</sup> option Maintain Fixed Values, Translations, User-Defined Routines is optional.
- Choose 7<sup>th</sup> option Specify Files execute it.
- Choose Legacy Data and change it and add entry, provide file details.



Enter(continue)...

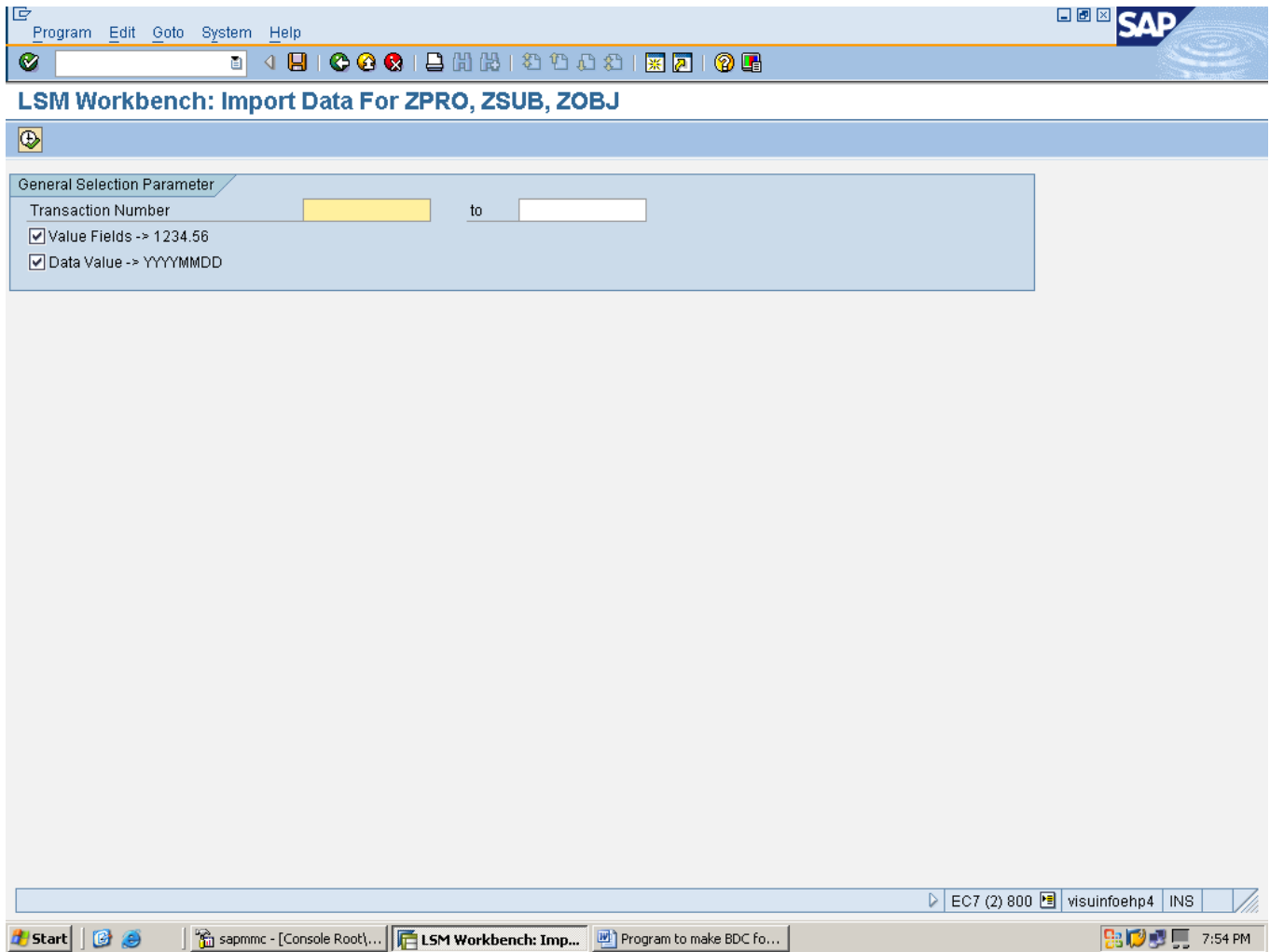


- Save and back.
- Choose 8<sup>th</sup> option Assign Files (to source structure), , exec it, this is default when there is only one source structure file...




Save and back.

- Choose 9<sup>th</sup> step Read Data ( from file to source structure),, exec it



- You can choose any range then exec it...



List Edit Goto System Help

LSM Workbench: Import Data For ZPRO, ZSUB, ZOBJ

---

LSM Workbench: Import Data For ZPRO, ZSUB, ZOBJ 1

04.11.2013 - 19:55:21

File(s) Read: G:\SAP\FI01.txt  
 File Written: ZPRO\_ZSUB\_ZOBJ.lsmw.read

Source Structure	Read	Written	Not Written
ZSOURCE	3	3	0

Transactions Read: 3  
 Records Read: 3  
 Transactions Written: 3  
 Records Written: 3

EC7 (2) 800 visuinfoehp4 INS

Start sapmmc - [Console Root]... LSM Workbench: Imp... Program to make BDC fo... 7:55 PM

- Now , 10<sup>th</sup> step is Display Read Data(for verification – from source structure (.read file)).
- Execute and display.

LSM Workbench

Edit

Goto

Extras

System

Help

LSM Workbench: ZPRO, ZSUB, ZOBJ: object

User Menu

Numbering On

Double Click=Display

Object Overview

Action Log

Process Step

1 Maintain Object Attributes

2 Maintain Source Structures

3 Maintain Source Fields

Display Read Data

ProjectZPROproject

SubprojectZSUBsub project

ObjectZOBJobject

FileZPRO\_ZSUB\_ZOBJ.lsmw.read

From Line

To Line

13 Create Batch Input Session

14 Run Batch Input Session

18:02:01 h, SAPUSER

18:03:10 h, SAPUSER

18:03:19 h, SAPUSER

18:09:29 h, SAPUSER

18:09:35 h, SAPUSER

18:09:39 h, SAPUSER

02.11.2013, 18:09:49 h, SAPUSER

02.11.2013, 18:10:04 h, SAPUSER

Last Action (Date, Time, User)

04.11.2013, 19:26:28 h, SAPUSER

02.11.2013, 17:57:33 h, SAPUSER

02.11.2013, 17:58:27 h, SAPUSER

17:58:36 h, SAPUSER

18:02:01 h, SAPUSER

18:03:10 h, SAPUSER

18:03:19 h, SAPUSER

18:09:29 h, SAPUSER

18:09:35 h, SAPUSER

18:09:39 h, SAPUSER

02.11.2013, 18:09:49 h, SAPUSER

02.11.2013, 18:10:04 h, SAPUSER

EC7 (2) 800

visuinfoehp4

INS

Start

sapmmc - [Console Root]...

LSM Workbench: ZPR...

Program to make BDC fo...

7:59 PM



Imported Data Edit Goto System Help

Field Contents Change Display Display Colour Legend

File ZPRO\_ZSUB\_ZOBJ.lsmw.read

Row	Struct.	Conts.		
	LSMWZPRO	ZSUB	ZOBJ	EC7 80020131104195521SAPUSER
1	ZSOURCE	IN 010105	BANK 010105 LTD	
2	ZSOURCE	IN 010106	BANK 010106 LTD	
3	ZSOURCE	IN 010107	BANK 010107 LTD	

EC7 (2) 800 visuinfoehp4 INS

Start sapmmc - [Console Root\... LSM Workbench: Imp... Program to make BDC fo... 8:00 PM

- Click on any line for list displayed and make sure that data is properly displayed if not check the file and source structure. For e.g.

Imported Data Edit Goto System Help

✓

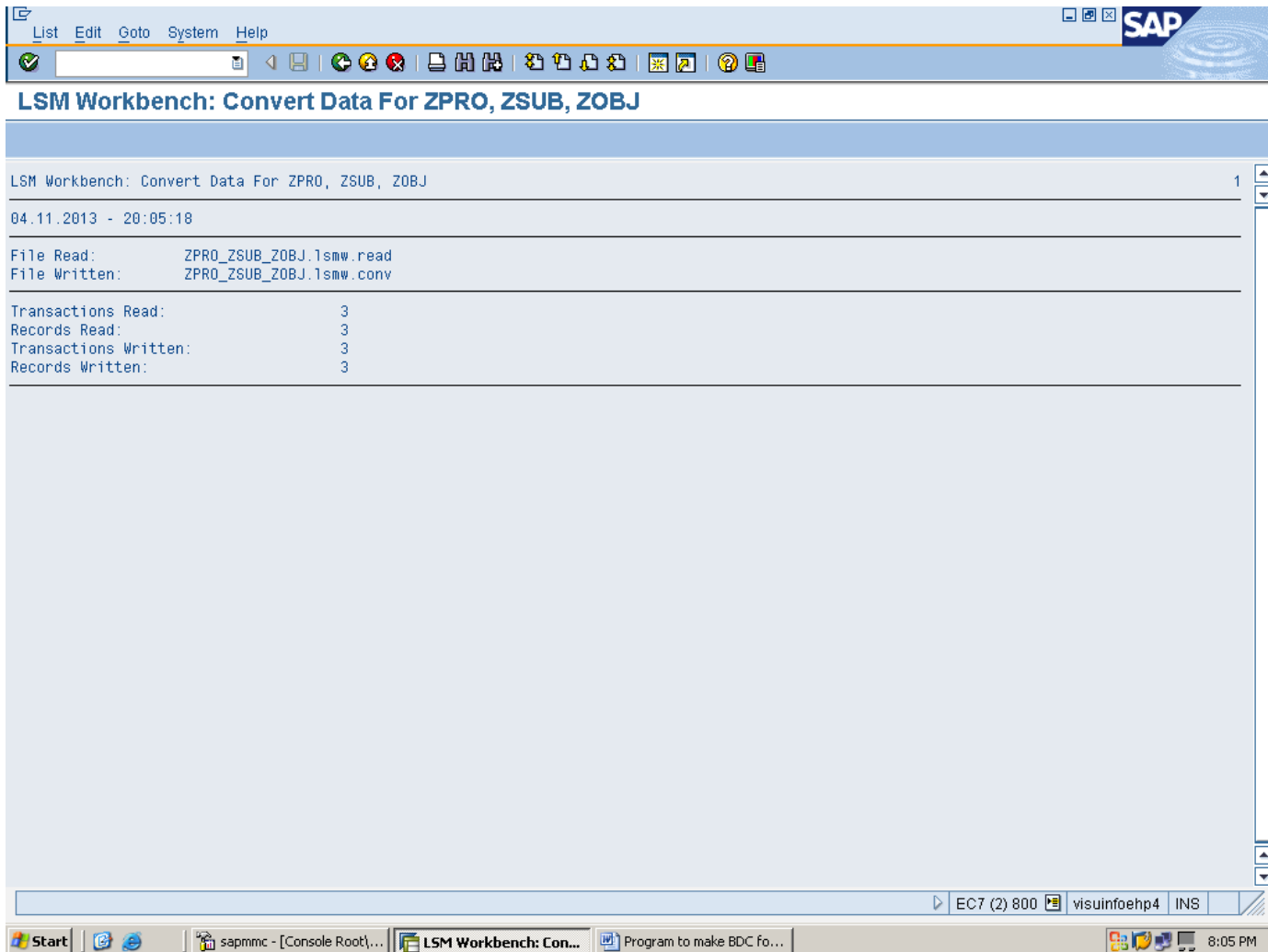
### LSM Workbench: Imported Data

File	ZPRO_ZSUB_ZOBJ.lsmw.read	
Structure	ZSOURCE	
Field Name	Field Text	Field Value
BANKS	Bank Country	IN
BANKL	Bank number	010105
BANKA	Bank name	BANK 010105 LTD

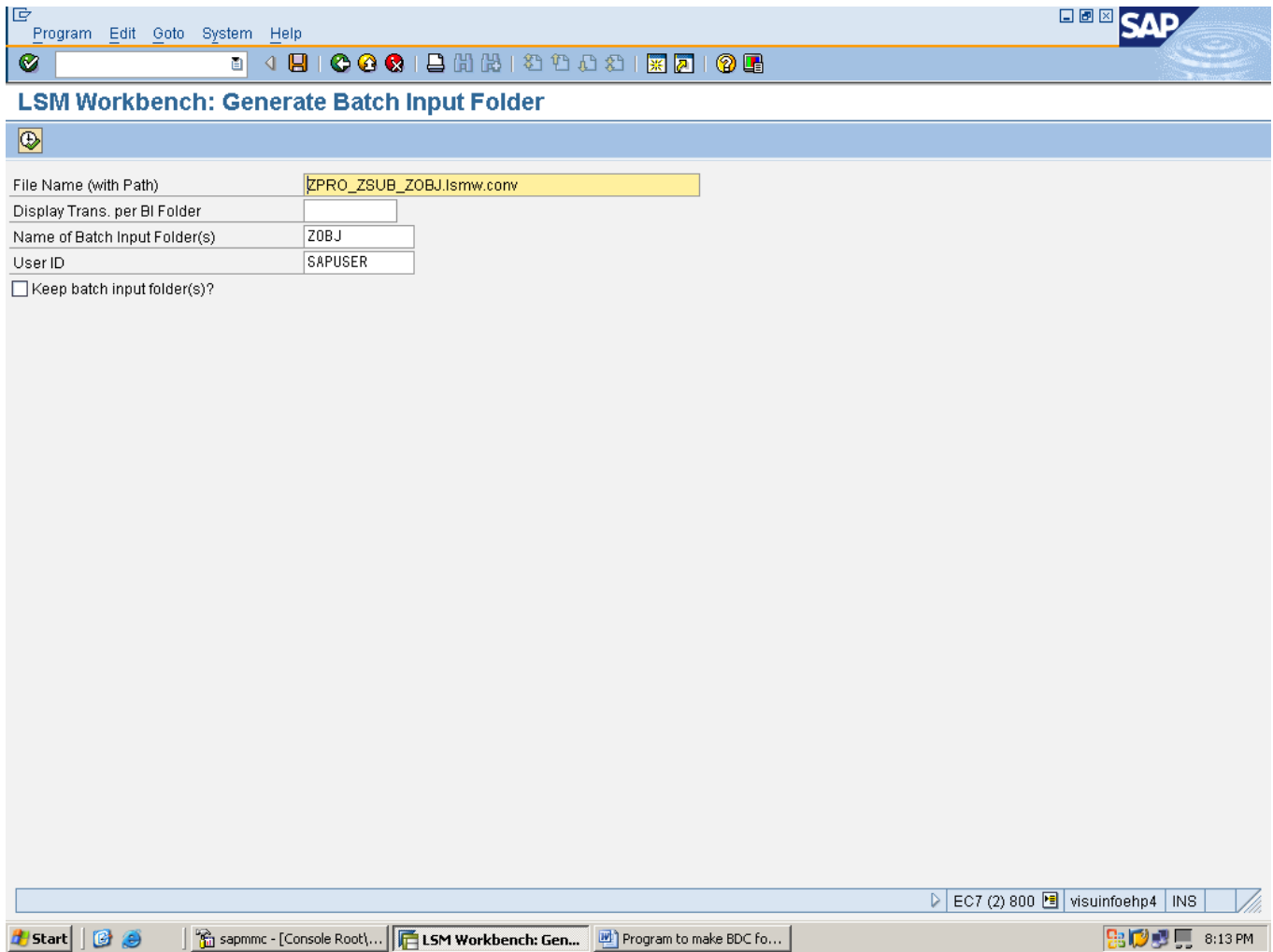
EC7 (2) 800 visuinfoehp4 INS

Start sapmmc - [Console Root]... LSM Workbench: Imp... Program to make BDC fo... 8:00 PM

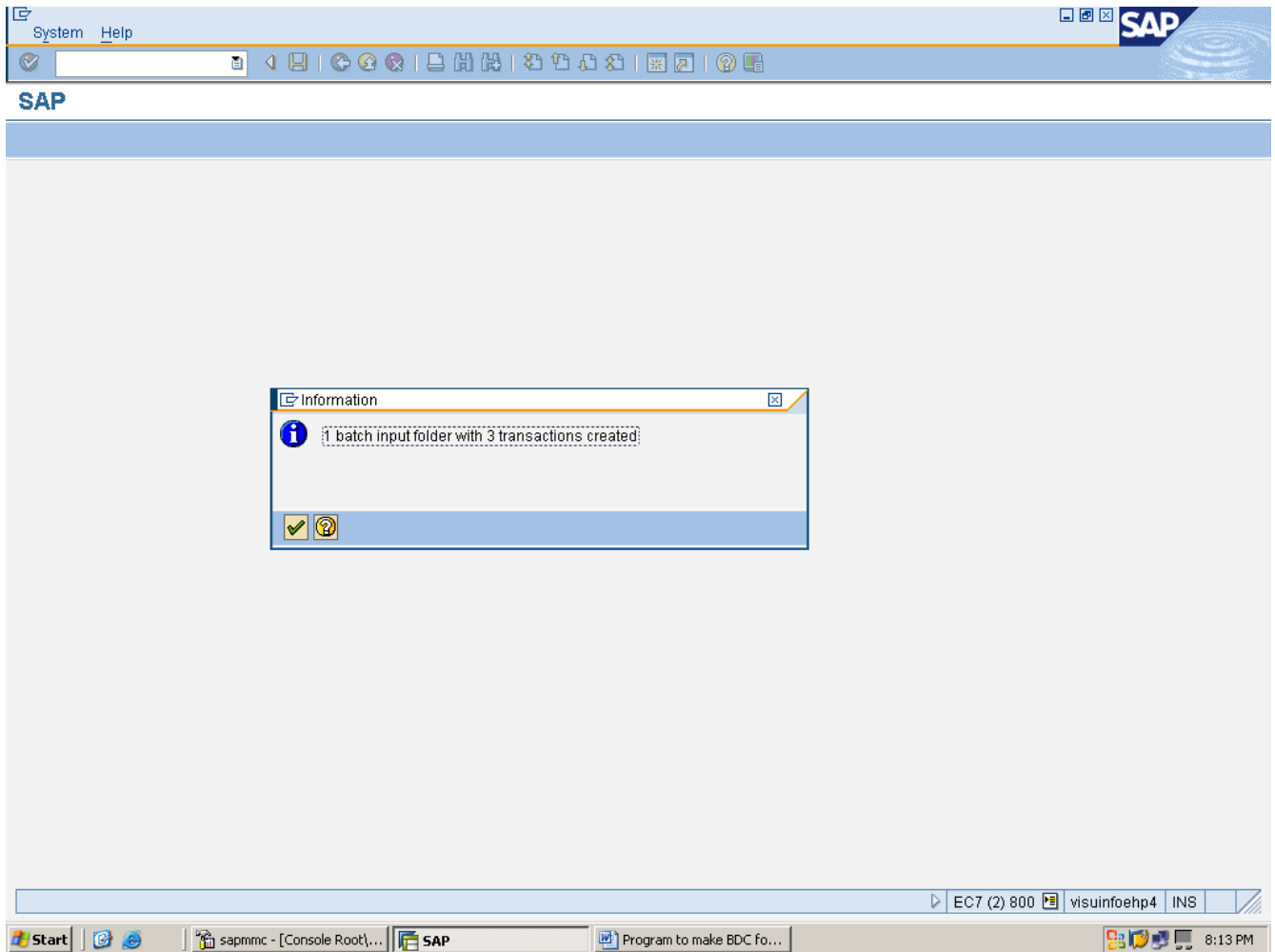
- Choose 11<sup>th</sup> step Convert Data (Source to target Structure) as per mapping define – from .read to .conv ...
- Execute and then give parameters if needed...



- Choose 12<sup>th</sup> Display Converted Data and exec it.
- If not properly converted verify mapping and convert it again.(from target structure .conv).
- Choose 13<sup>th</sup> Create batch Input Session exec it.



- Execute this screen a dialog box displayed , on click ok , it redirects to step 14.



- Choose 14<sup>th</sup> Run Batch Input Session and then it redirects to session screen.

Session Edit Goto Utilities System Help

Batch Input: Session Overview

Analysis Process Statistics Log Recording

Selection criteria  
 Sess.: ZOBJ From: To: Created by: \*

New Incorrect Processed In Process In Background Being Created Locked

Session name	Stat	Created By	Date	Time	Creation Prog	Lock Date	Authorizat.	Trans.			Screens	D	Qt
ZOBJ	✓	SAPUSER	02.11.2013	18:09:47	/SAPDMC/SAP_L		SAPUSER	3	0	3	6		13
ZOBJ	✗	SAPUSER	02.11.2013	18:08:06	/SAPDMC/SAP_L		SAPUSER	3	3	0	6		13

Sessions Found: 2

1 session(s) and log(s) deleted

EC7 (2) 800 visuinfoehp4 INS

Start sapmmc - [Console Root]... Batch Input: Session ... Program to make BDC fo... 8:17 PM

You can process and analyse from here...